Amogh Kuchibhotla

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Education

San Jose State University (SJSU) — San Jose, CA
B.S. Business Administration — Concentration in Management Information Systems — *June 2027*

Relevant Coursework: Programming for Data Analysis(Python), Database Management, Systems Analysis and Design, Financial & Managerial Accounting, Micro/Macro Economics

Certification: AWS Cloud Practitioner Certification

Experience

Alo Yoga (Via Litmus7)
Software Engineering Intern — *June 2025 – Aug 2025*
- Programmed an AI-powered chatbot that enables employees to retrieve store fulfillment KPIs using natural language queries
- Reduced response time to under 10 seconds by empowering teams to self-serve KPIs without relying on manual support workflows
- Designed a serverless backend using FastAPI, AWS Lambda, and Aurora MySQL to convert validated inputs into SQL queries
- Implemented role-based access and query validation to prevent unsafe database operations and automatically filter private data

Forsys Inc.
Business Analyst Intern — *Aug 2023 – Sept 2024*
- Built a sentiment analysis pipeline using SQL, Python, and NLP to classify customer reviews across a 300+ record dataset
- Standardized structured and unstructured data to resolve missing values, formatting issues, and schema inconsistencies
- Developed 5 interactive Tableau dashboards to visualize sentiment trends and product issues, and support KPI tracking

Calabazas Library/West Valley Library
Teacher and Program Coordinator — *May 2023 – Aug 2023*
- Designed and taught an embedded systems course combining electronics fundamentals with hands-on Arduino projects
- Guided students through end-to-end hardware and software builds, strengthening debugging and problem-solving skills

Leadership & Involvement

Alpha Kappa Psi
Vice President of Alumni Relations — *Dec 2024 – Present*
- Planned and led multiple alumni engagement initiatives through newsletters, networking events, and mentorship programs
- Served on the Executive Board and oversaw chapter operations while encouraging personal and professional growth in our members

Health Connect Inc
Co-Founder and Board Member — *May 2023 – Present*
- Co-founded a mental health nonprofit and built the website and operating foundation that enabled rapid organizational growth
- Scaled the nonprofit to 5 chapters and 7,000+ individuals reached through digital campaigns, workshops, and community events

Projects

Business Metrics Reliability and Anomaly Detection System
Personal Project — *Dec 2025*
- Built an automated KPI monitoring system in Python to validate metric freshness, completeness, and business sanity checks
- Implemented anomaly detection using rolling baselines and week-over-week comparisons with Pandas and SQL
- Designed an explanation layer that decomposed anomalies by region, channel, and product to identify root causes
- Delivered alerts and a dashboard via a FastAPI service to surface anomalies, severity, and contributing drivers

ParkEZ — Parking Marketplace (Airbnb-style)
CTO — *Oct 2024 – Nov 2024*
- Defined a peer-to-peer parking marketplace enabling homeowners to rent out private driveways as on-demand parking spots
- Analyzed demand, parking availability, and location data to validate marketplace feasibility and inform pricing and supply strategy
- Designed a data model to support dynamic pricing based on location, time windows, and real-time demand patterns
- Built a cloud-backed prototype using AWS services to simulate user flows, host onboarding, and platform scalability

Additional

Languages and Frameworks: Python, C++, JavaScript/TypeScript, React, Node.js, FastAPI, Figma, Jira, Git
Data and ML: Pandas, Tableau, Excel, NLP, Scikit-learn, TensorFlow, PyTorch
Cloud and Tools: AWS (Lambda, RDS, EC2, API Gateway, IAM)
Interests: Basketball, Football, Indian Classical Percussion, Traveling, Food, Board Games, Movies